

IN THE CLAIMS:

1. (cancelled)

2. (cancelled)

3. (original) A two-component developer for use in electrographic printing comprising substantially spherical toner particles and substantially spherical magnetic carrier particles, the carrier particles having a dielectric constant ϵ_c of at least about 6, the toner particles having a radius R_T and the carrier particles having a radius R_C , wherein R_C is between about $1.5R_T$ and about $10R_T$.

4. (original) The developer of claim ¹~~3~~, wherein R_C is between about $2R_T$ and about $5R_T$.

5. (original) The developer of claim ¹~~3~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 10.

6. (original) The developer of claim ³~~5~~, wherein R_C is between about $2R_T$ and about $5R_T$.

7. (original) The developer of claim ¹~~5~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 100.

8. (original) The developer of claim ⁵~~7~~, wherein R_C is between about $2R_T$ to about $5R_T$.

9. (original) The developer of claim ¹~~7~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 298.

10. (original) The developer of claim ⁷~~9~~, wherein R_C is between about $2R_T$ to about $5R_T$.

¹⁷
~~11~~. (currently amended) A method for producing electrographic images comprising the steps of:

(a) providing an electrographic printer comprising an imaging member, a toning shell located adjacent the imaging member and defining an external electric field of image development therebetween, and a two-component developer, comprising substantially spherical toner particles and substantially spherical magnetic carrier particles,

the carrier particles having a dielectric constant ϵ_c of at least about 6,

the toner particles having a radius R_T and the carrier particles having a radius R_C , wherein R_C is between about $1.5R_T$ and about $10R_T$; and

(b) causing developer to move through the external electric field, interacting with an electrostatic image carried on the imaging member.

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^{A1}
^{cont.}
~~12~~. (original) The method of claim ¹⁷~~11~~, wherein R_C is between about $2R_T$ and about $5R_T$.

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~~13~~. (original) The method of claim ¹⁷~~11~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 10.

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~~14~~. (original) The method of claim ¹⁹~~13~~, wherein R_C is between about $2R_T$ and about $5R_T$.

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~~15~~. (original) The method of claim ¹⁷~~11~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 100.

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~~16~~. (original) The method of claim ²¹~~15~~, wherein R_C is between about $2R_T$ to about $5R_T$.

²³
~~17~~. (original) The method of claim ¹⁷~~11~~, wherein the carrier particles have a dielectric constant ϵ_c greater than about 298.

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~~18~~. (original) The method of claim ²³~~17~~, wherein R_C is between about $2R_T$ to about $5R_T$.

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~~19~~. (original) The method of claim ¹⁷~~11~~, wherein the external electric field of image development is less than the electric field produced by a uniformly-charged toner particle of charge q and radius R_T .

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~~20~~. (currently amended) The developer of claim ¹~~3~~ 4, the carrier particles having a size distribution according to the Schulz distribution with z greater than about 6.

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~~21~~. (currently amended) The developer of claim ¹~~3~~ 4, the carrier particles having a size distribution according to the Schulz distribution with z greater than about 10.

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~~22~~. (currently amended) The developer of claim ¹~~3~~ 4, the carrier particles having a size distribution according to the Schulz distribution with z greater than about 50.

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~~23~~. (currently amended) The developer of claim ¹~~3~~ 4, the carrier particles having a size distribution according to the Schulz distribution with z greater than about 100.

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~~24~~. (currently amended) The developer of claim ¹~~3~~ 4, the toner particles having a size distribution according to the Schulz distribution with z greater than about 20.

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~~25~~. (currently amended) The developer of claim ¹~~3~~ 4, the toner particles having a size distribution according to the Schulz distribution with z greater than about 30.

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~~26~~. (currently amended) The developer of claim ¹~~3~~ 4, the toner particles having a size distribution according to the Schulz distribution with z greater than about 50.

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~~27~~. (currently amended) The developer of claim ¹~~3~~ 4, the toner particles having a size distribution according to the Schulz distribution with z greater than about 100.